

FIG. 1
(PRIOR ART)

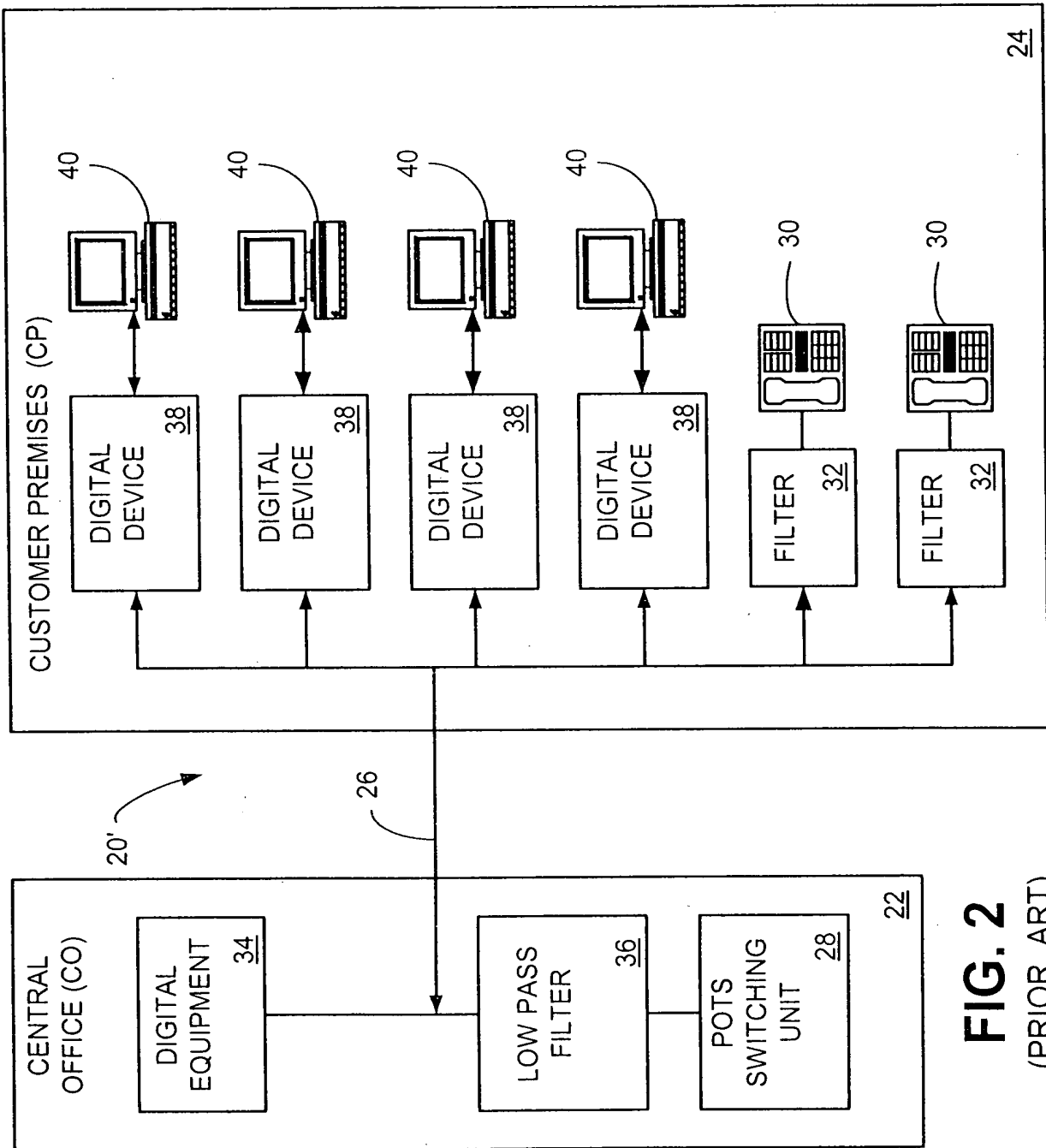
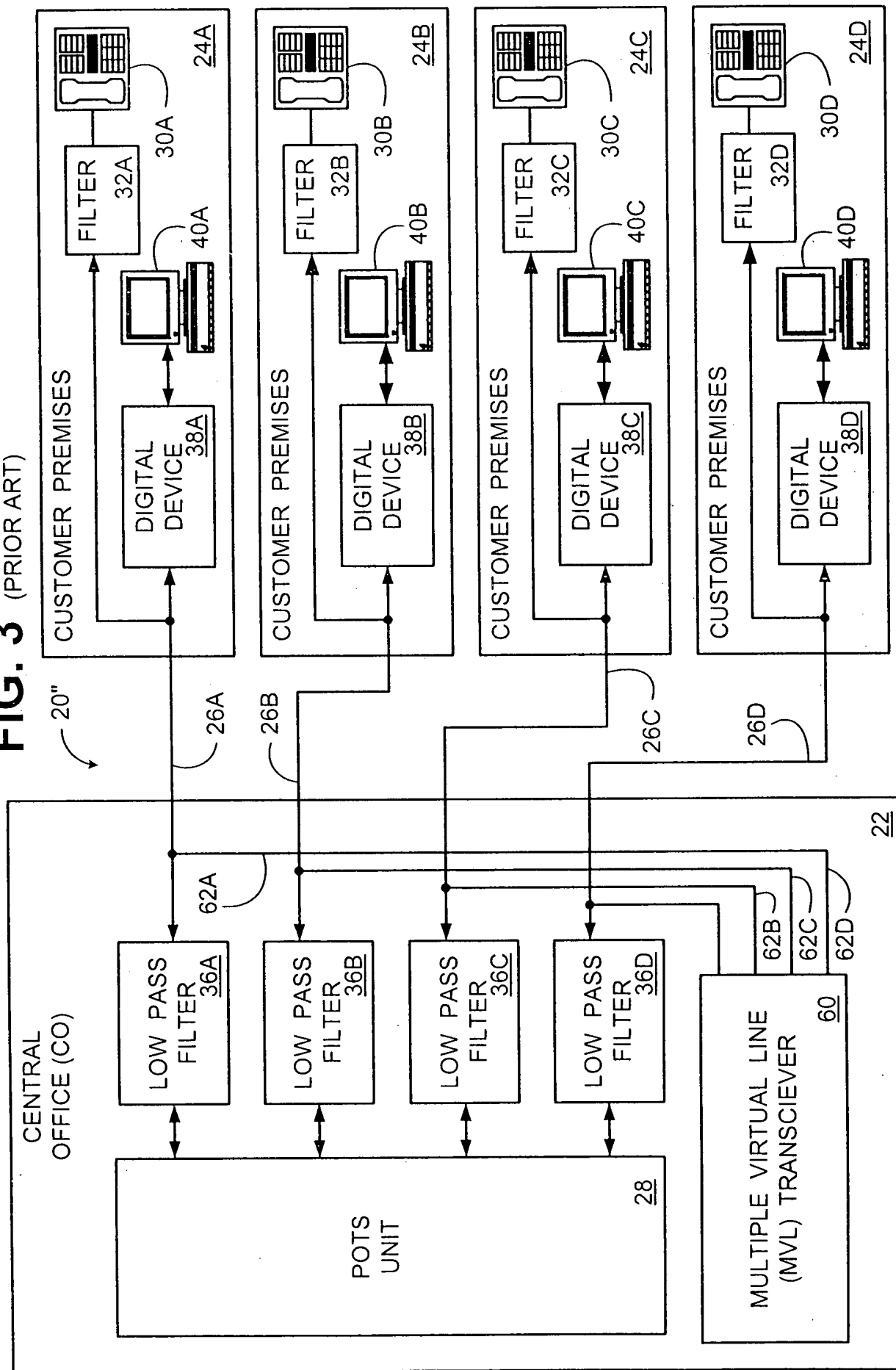


FIG. 2
(PRIOR ART)

FIG. 3 (PRIOR ART)



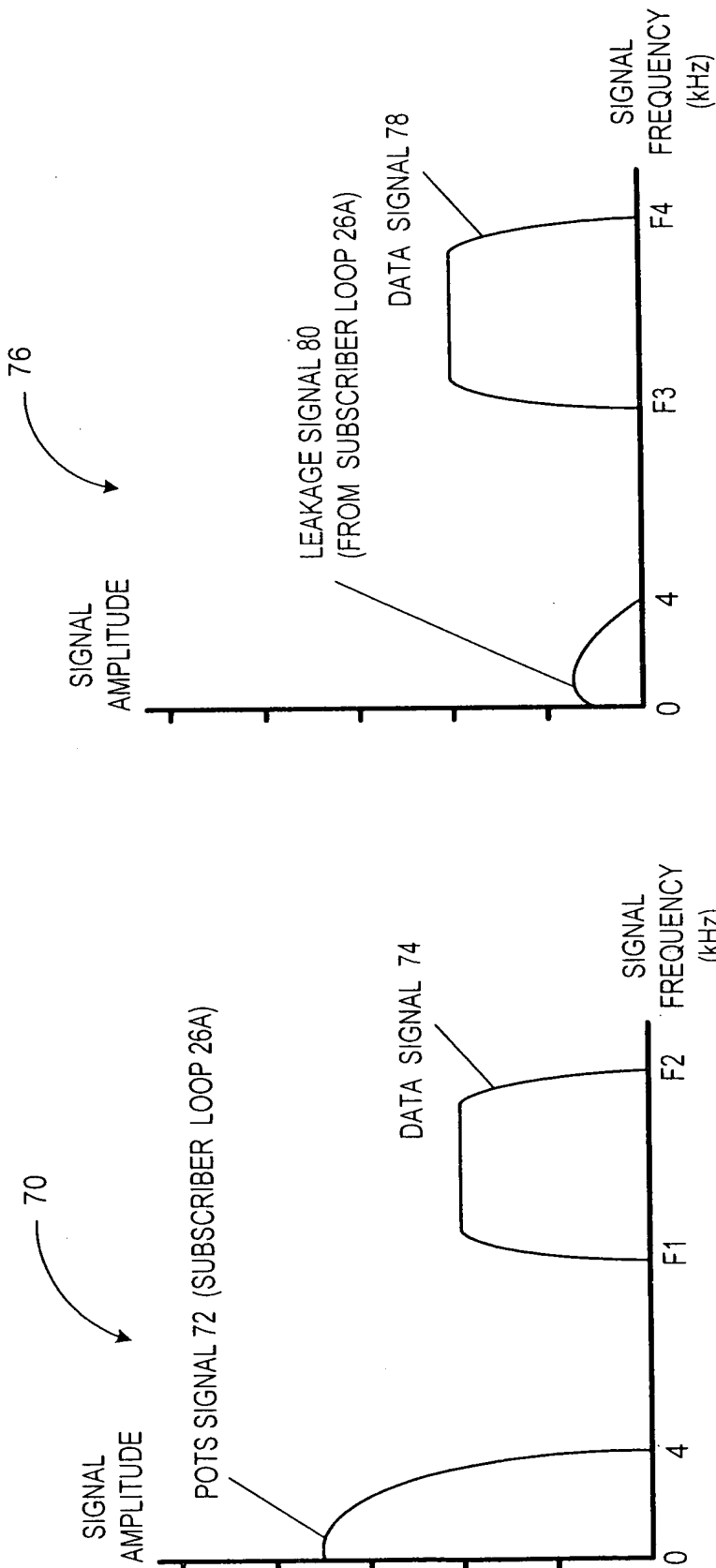


FIG. 4B

(PRIOR ART)

FIG. 4A

(PRIOR ART)

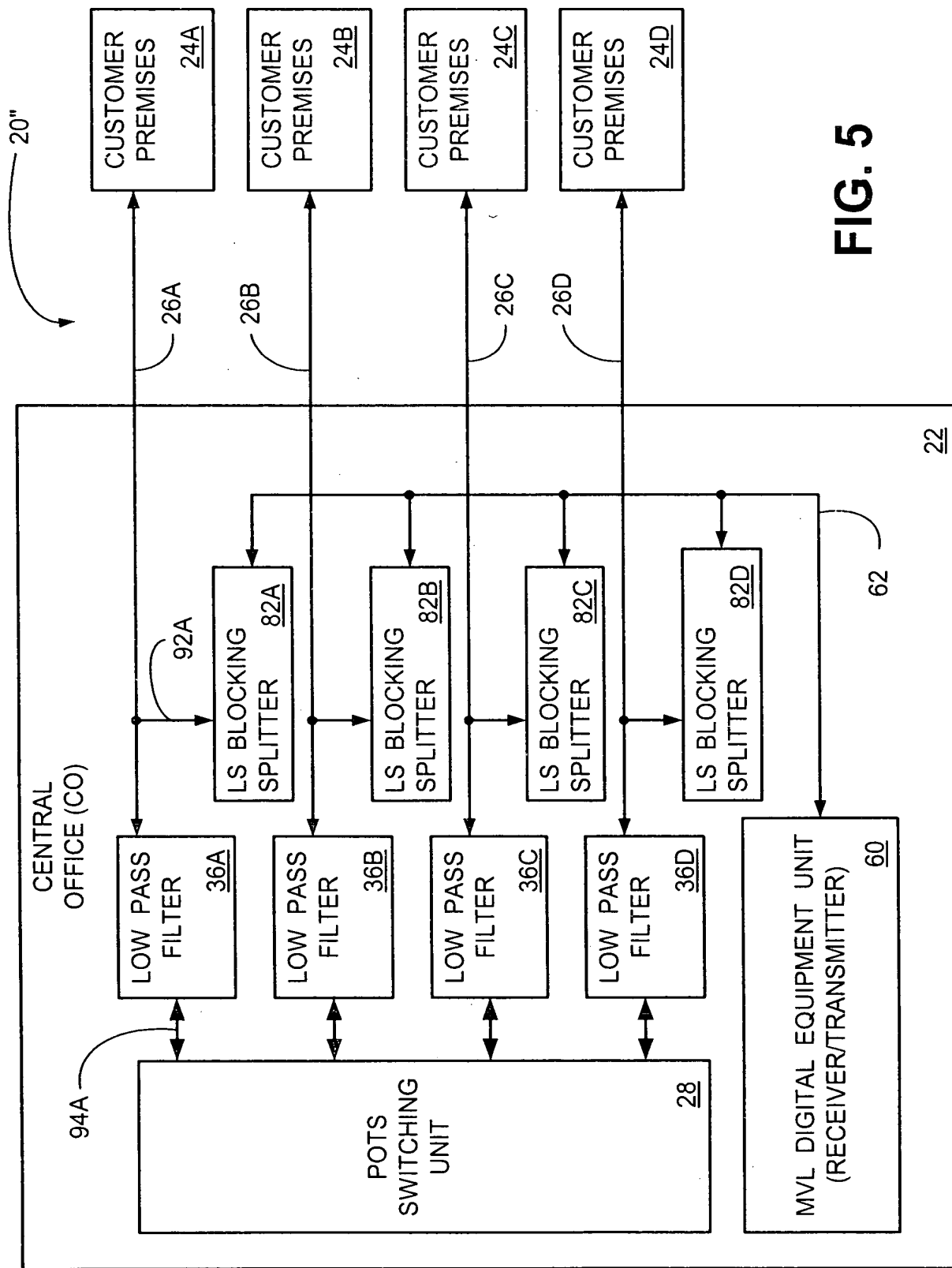


FIG. 5

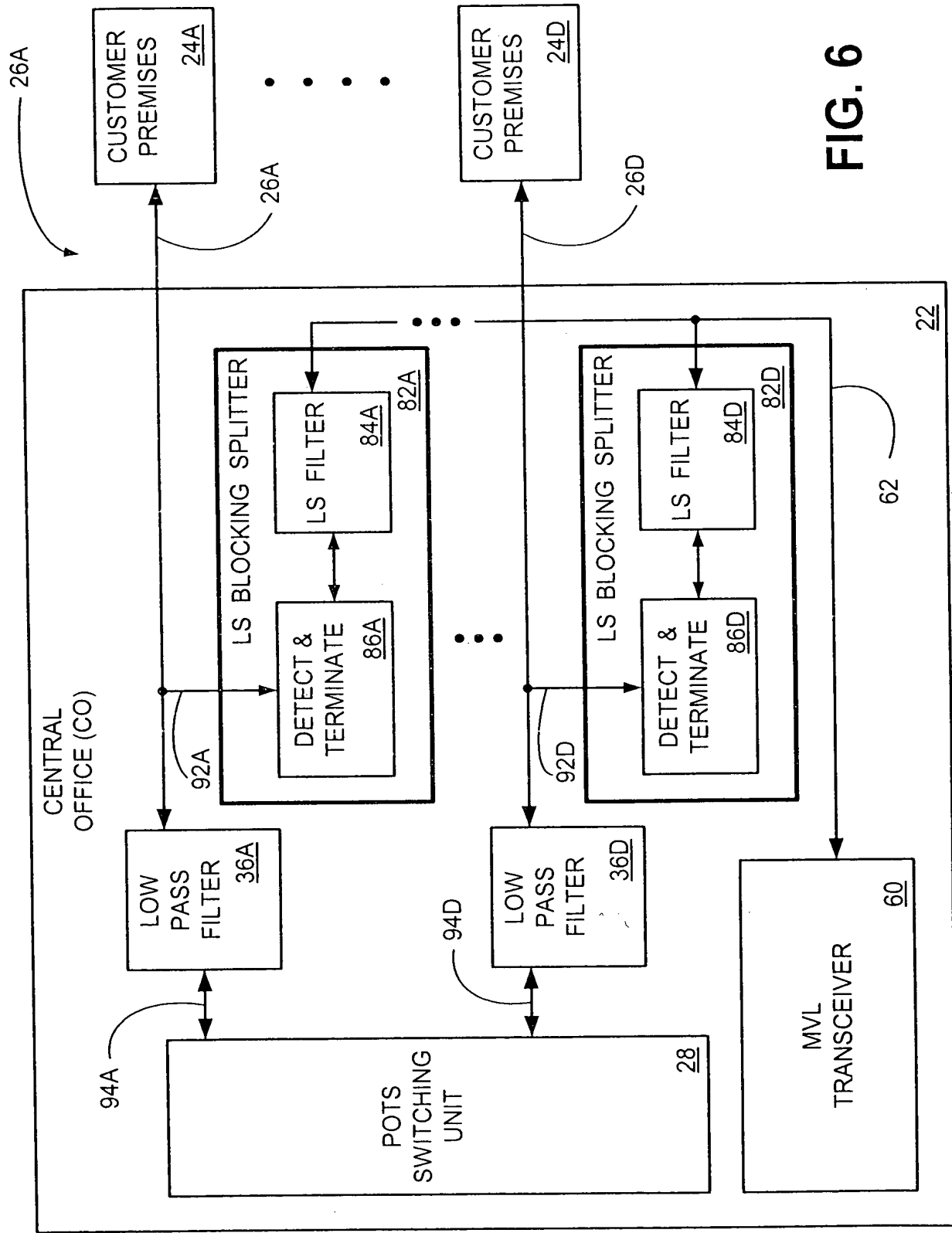


FIG. 6

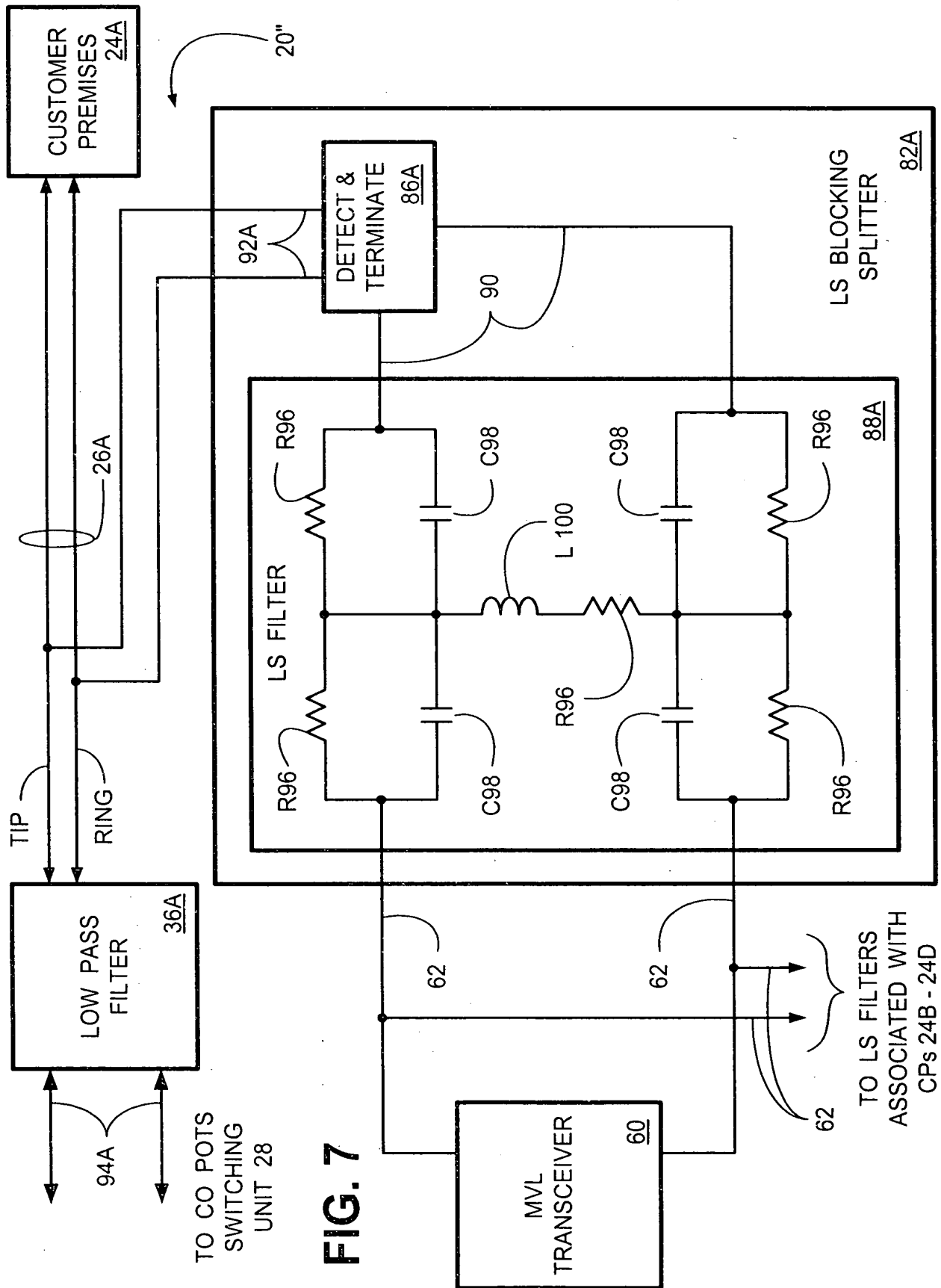


FIG. 7

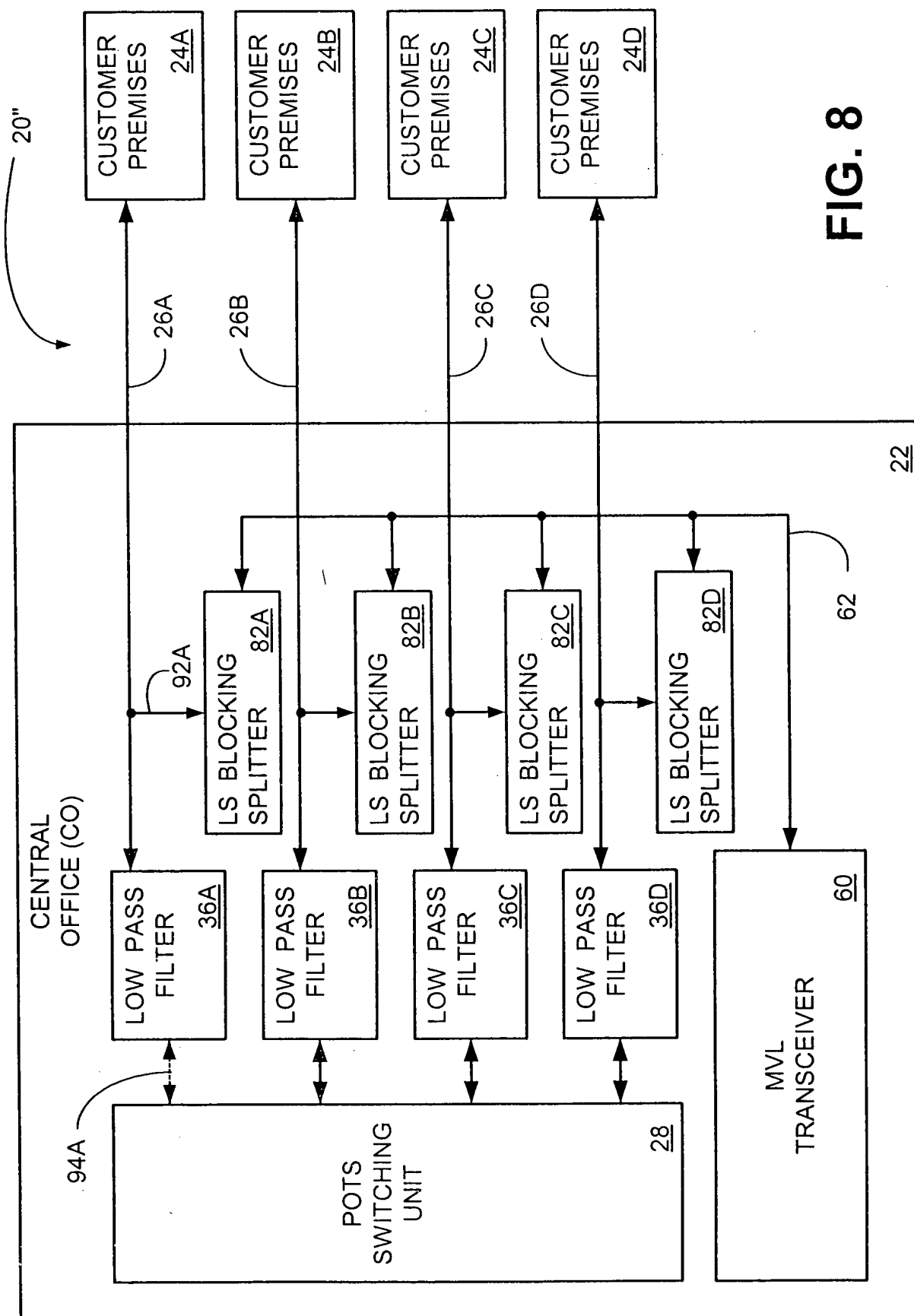


FIG. 8

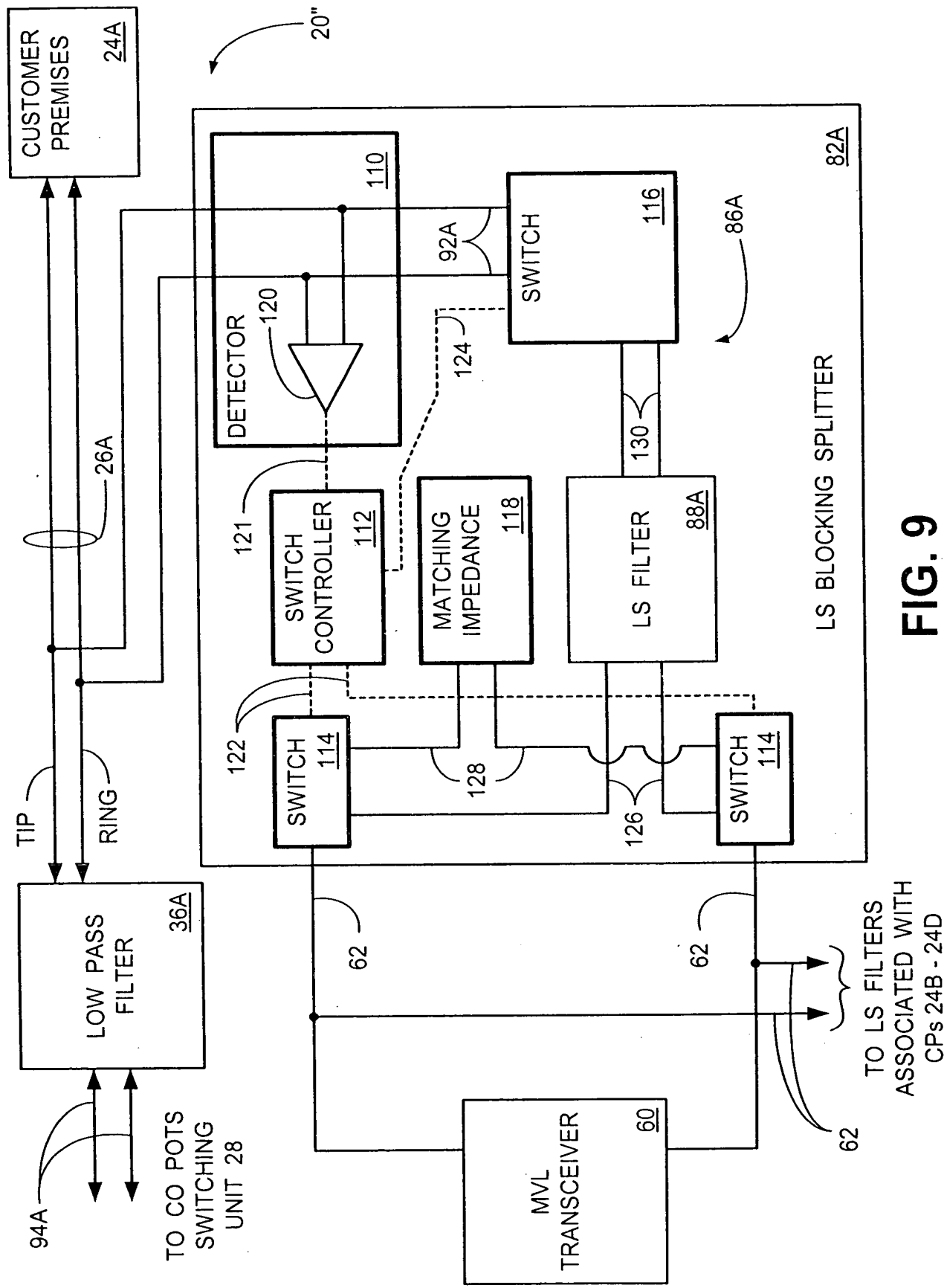


FIG. 9

FIG. 10

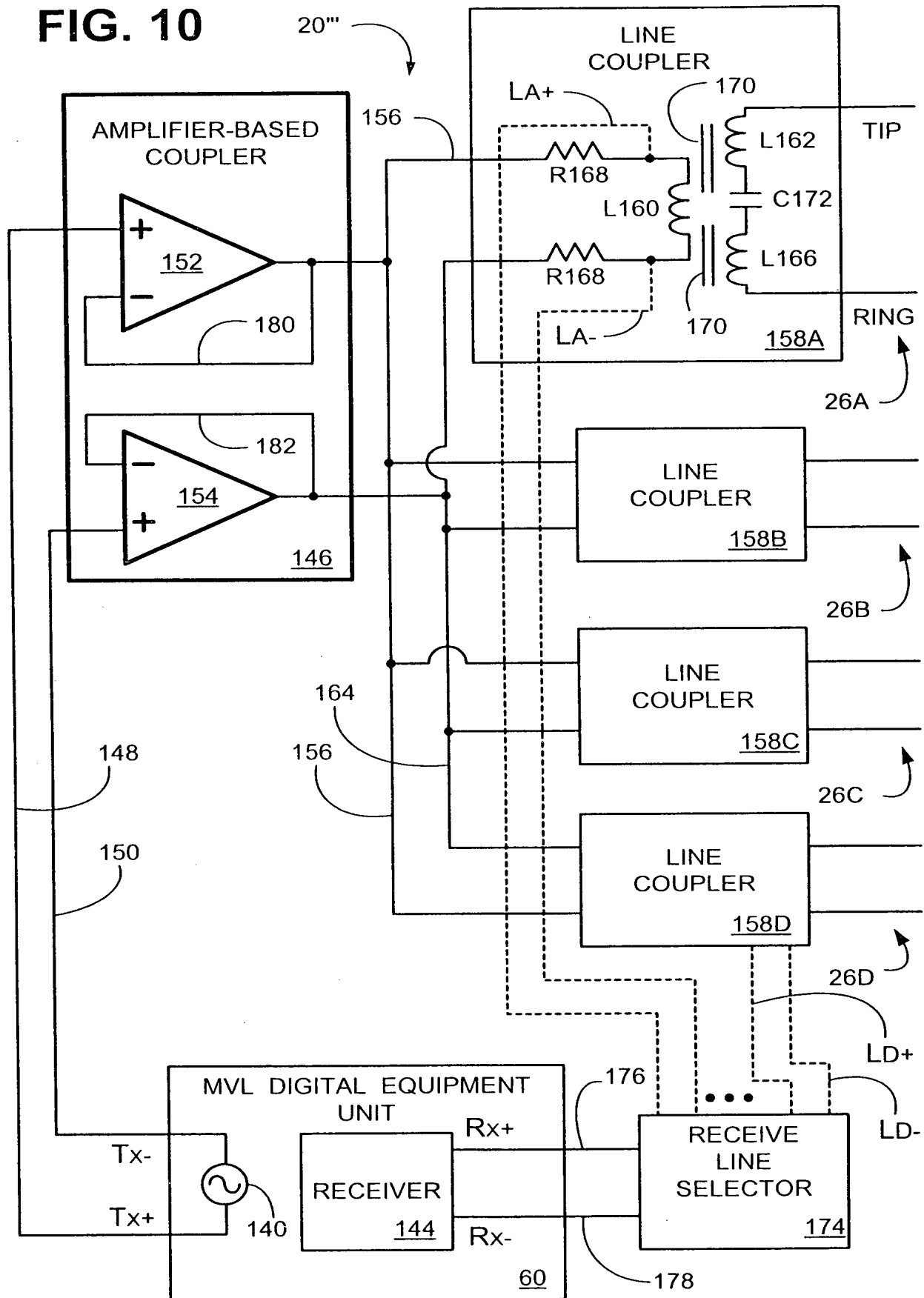
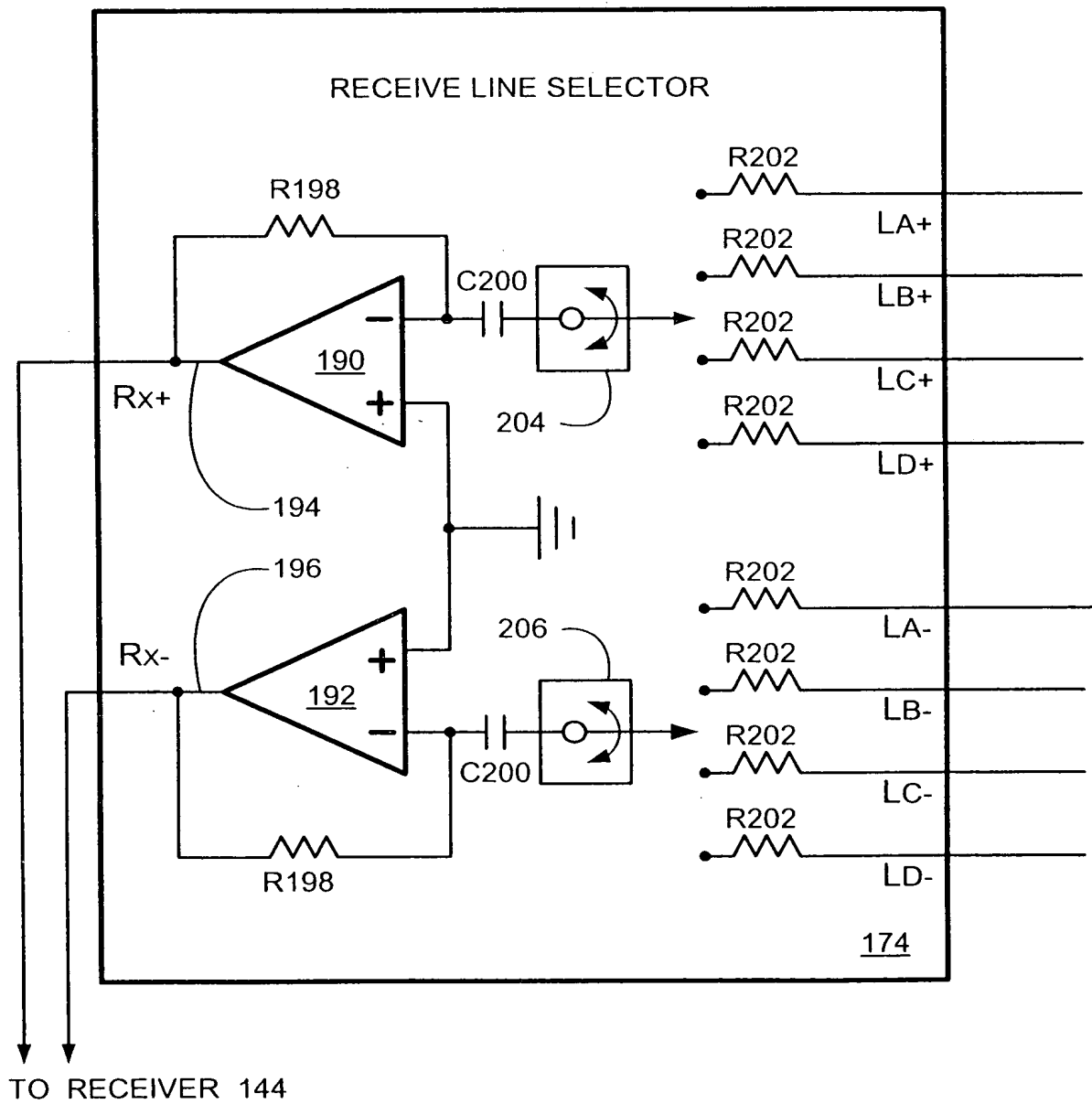


FIG. 11



00/221" 8E64/60

FIG. 12

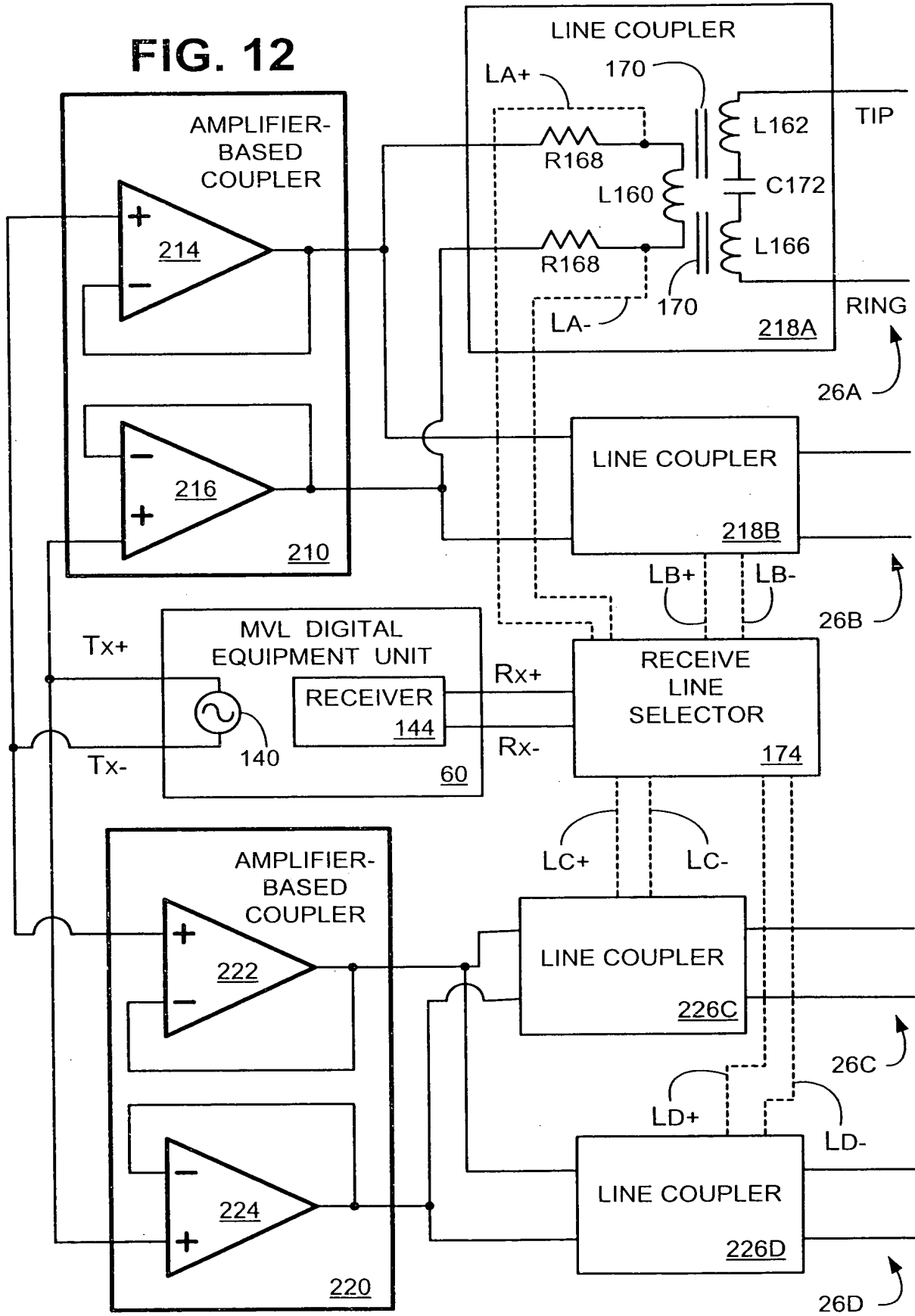


FIG. 13A

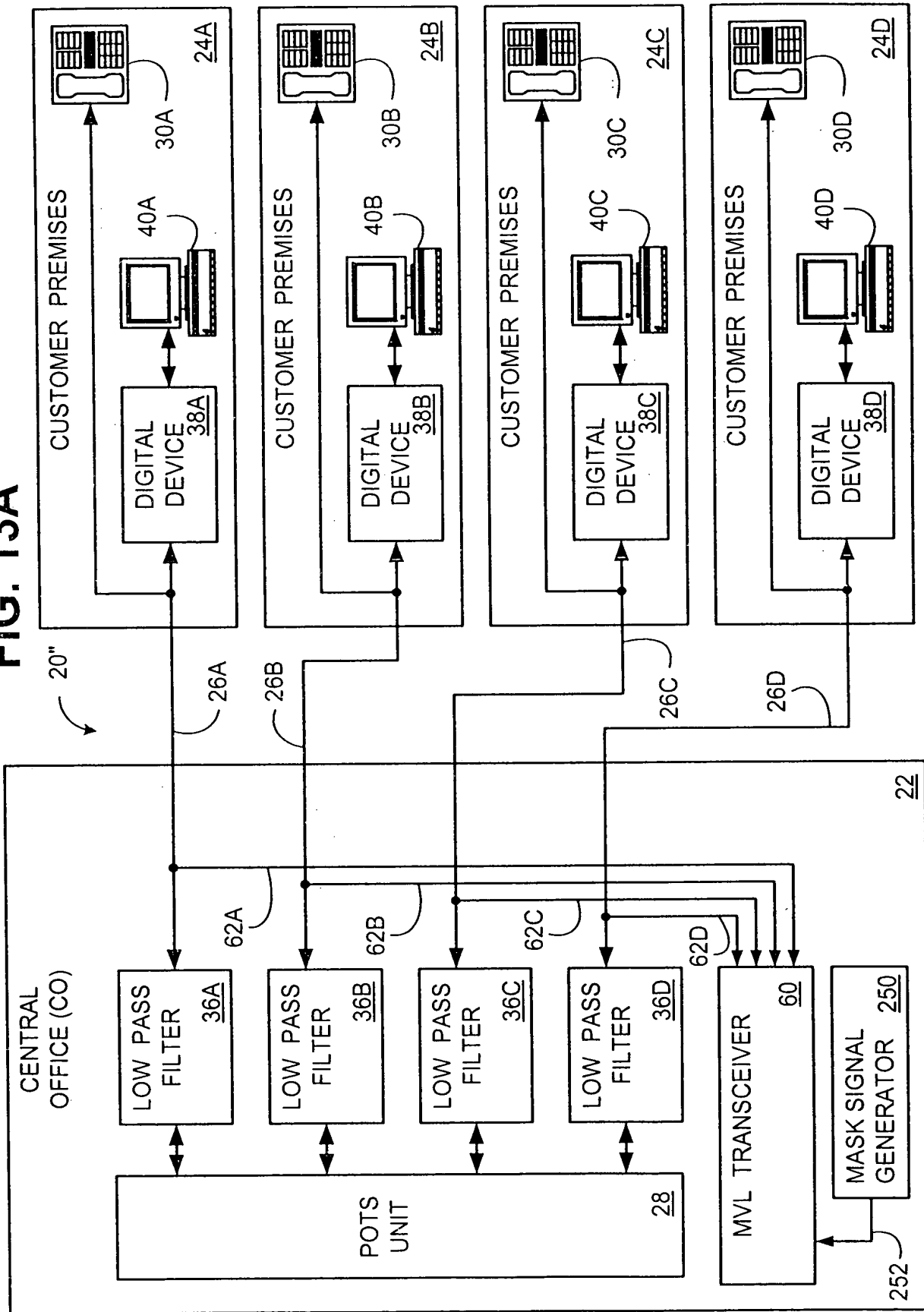
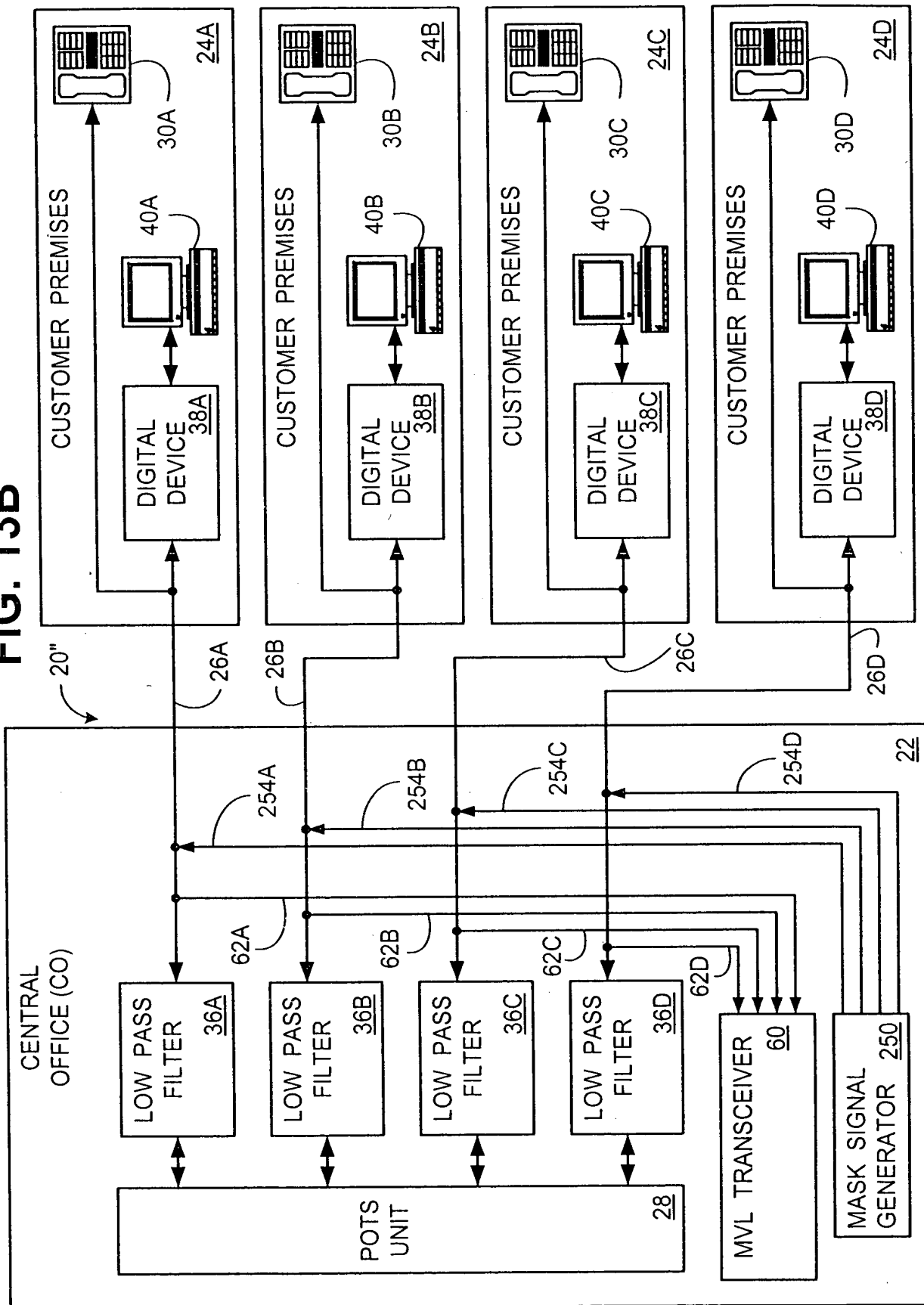


FIG. 13B



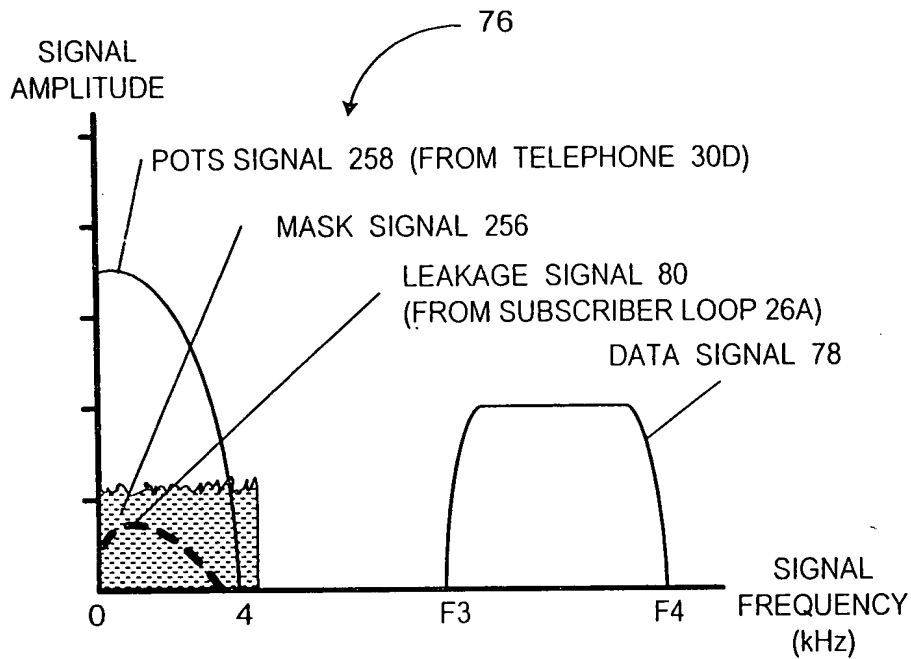


FIG. 14

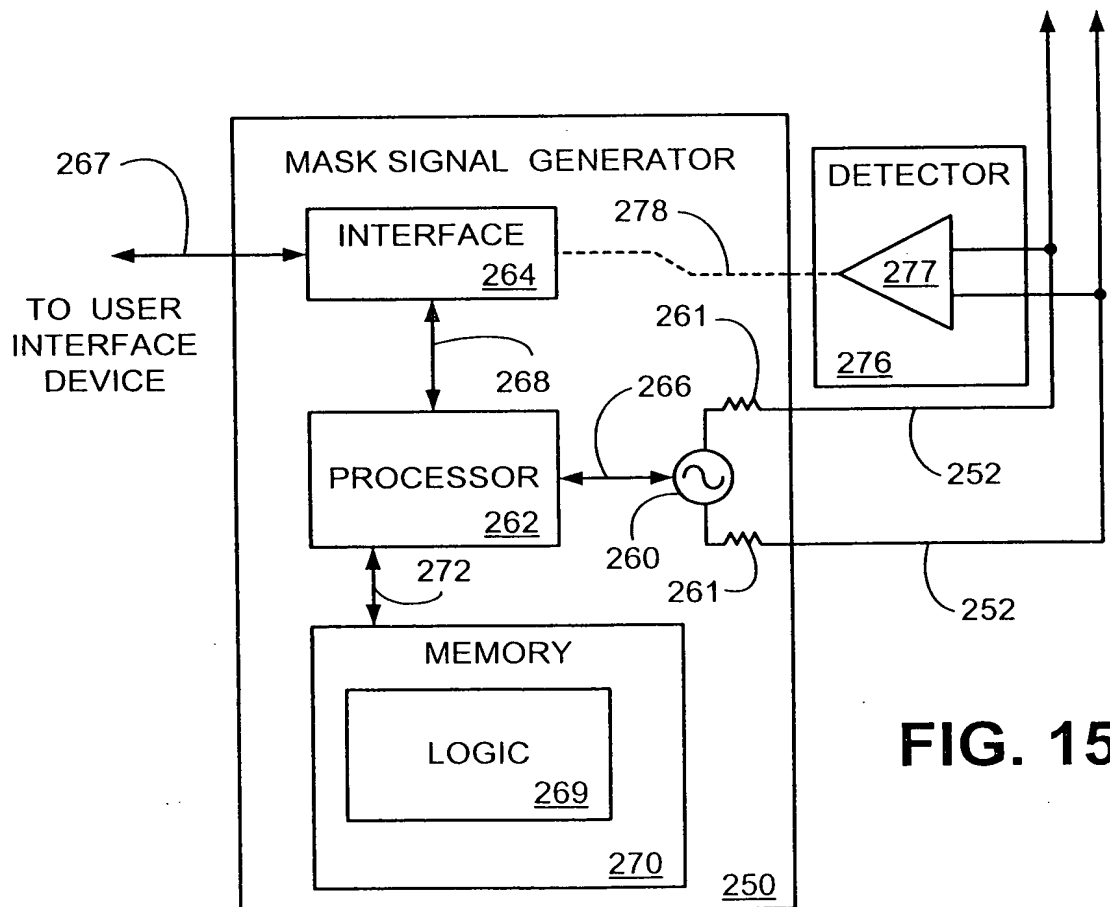


FIG. 15

Figure 76 is a graph showing Signal Amplitude versus Signal Frequency (kHz). The graph illustrates the frequency spectrum of various signals. The POTS signal 258 (from telephone 30D) is a low-frequency signal. The mask signal 280 is a high-frequency signal. The leakage signal 80 (from subscriber loop 26A) is a low-frequency signal. The data signal 78 is a high-frequency signal. The graph shows the overlap of these signals and the resulting spectrum.

76

SIGNAL AMPLITUDE

POTS SIGNAL 258 (FROM TELEPHONE 30D)

MASK SIGNAL 282

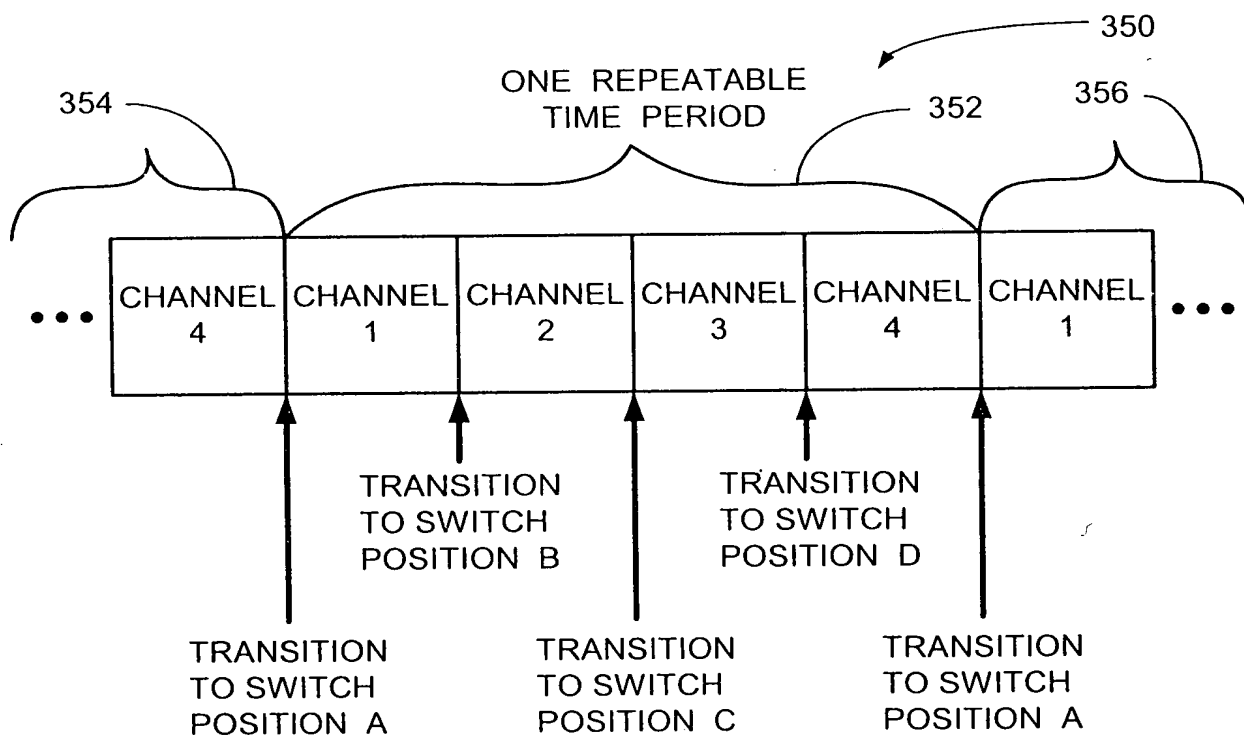
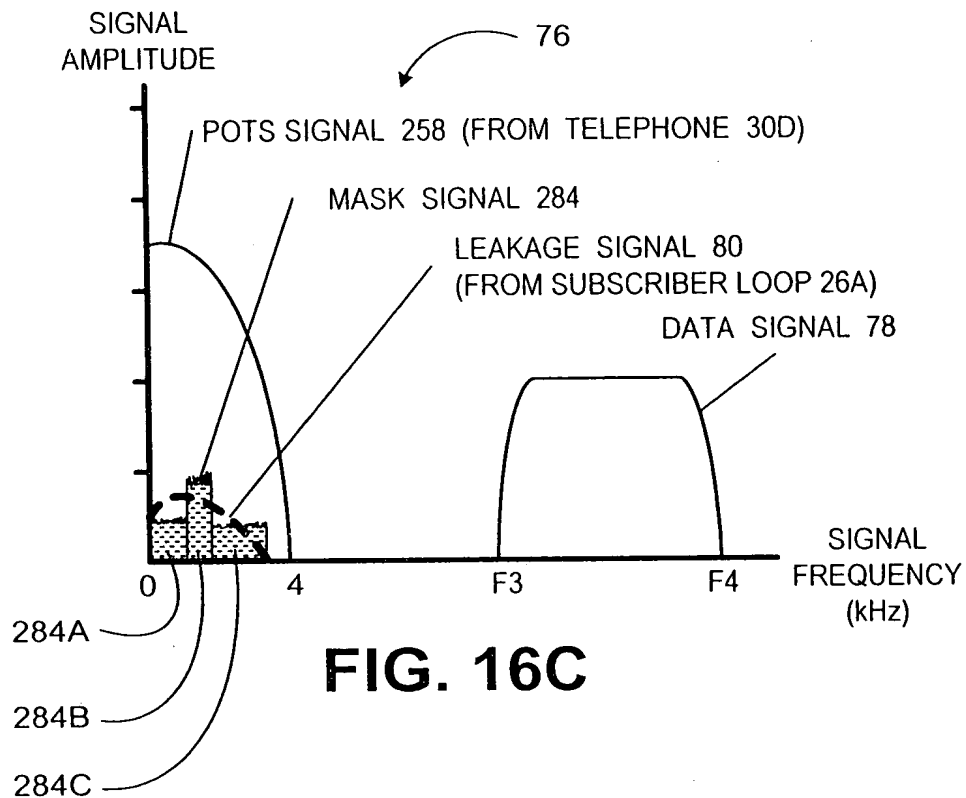
LEAKAGE SIGNAL 80 (FROM SUBSCRIBER LOOP 26A)

DATA SIGNAL 78

0 4 F3 F4

SIGNAL FREQUENCY (kHz)

FIG. 16B



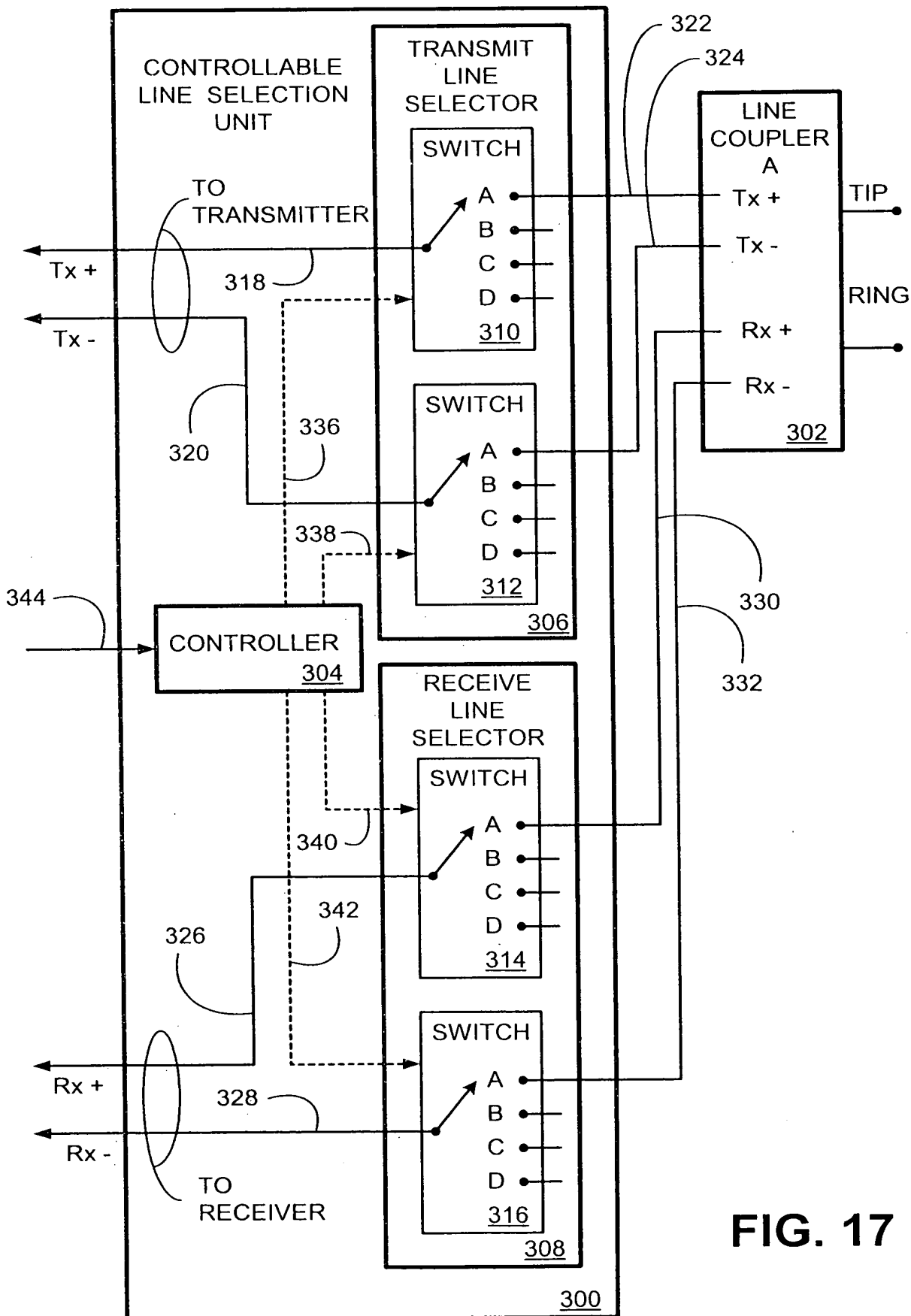
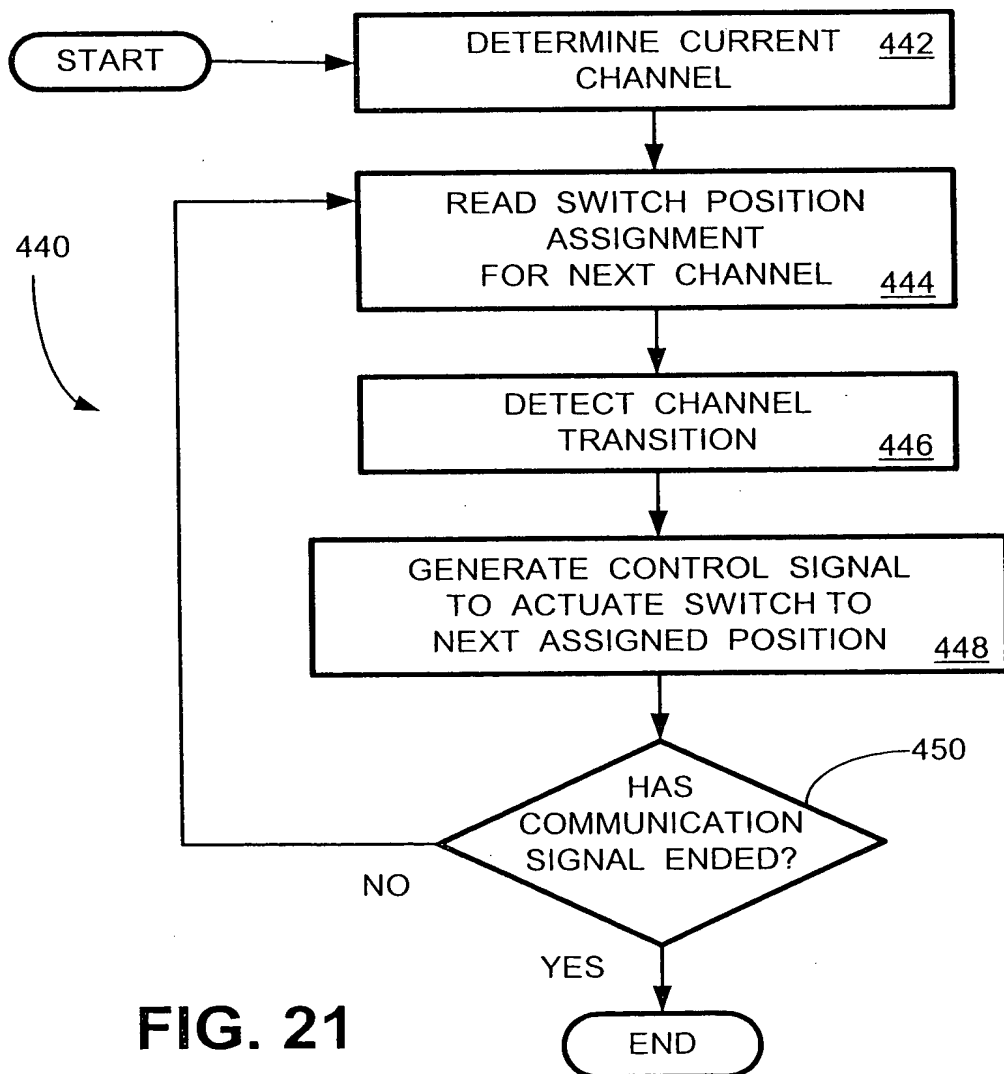
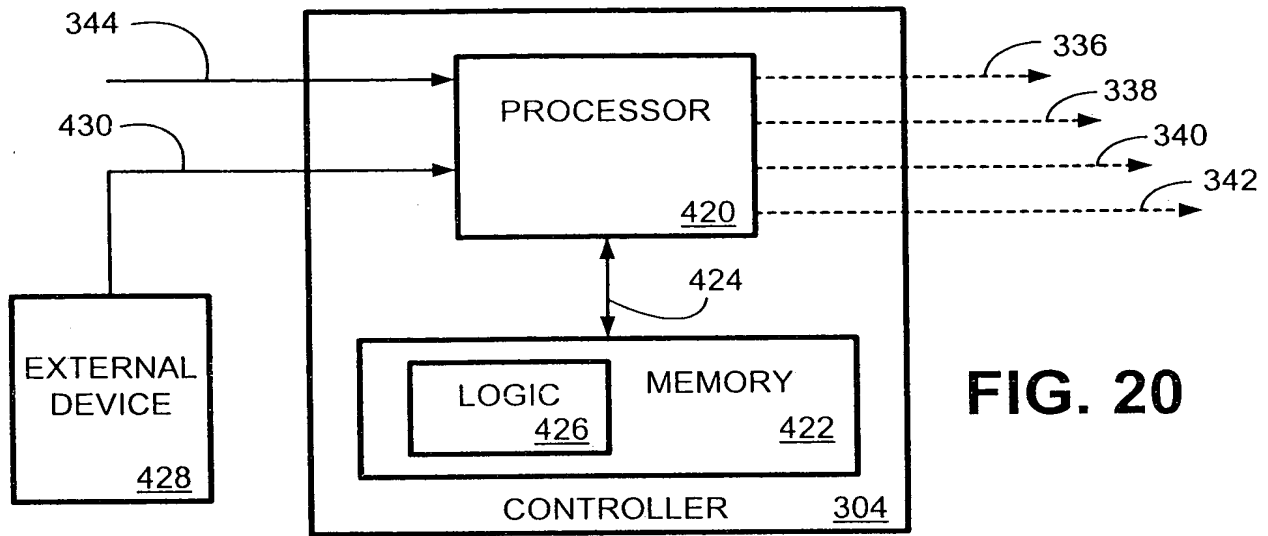


FIG. 17

FIG. 19



09749338-122700

09749338.122700

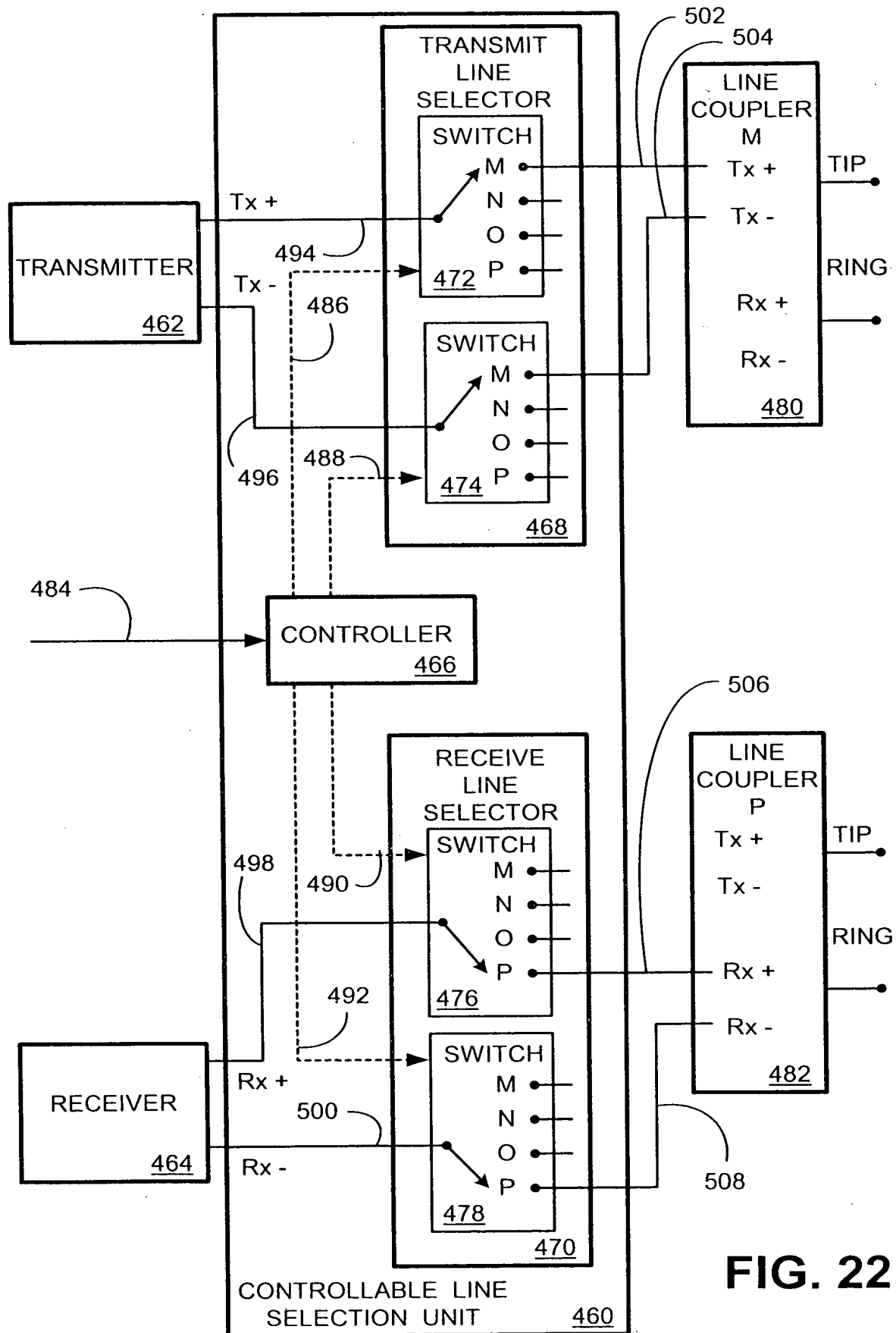


FIG. 22

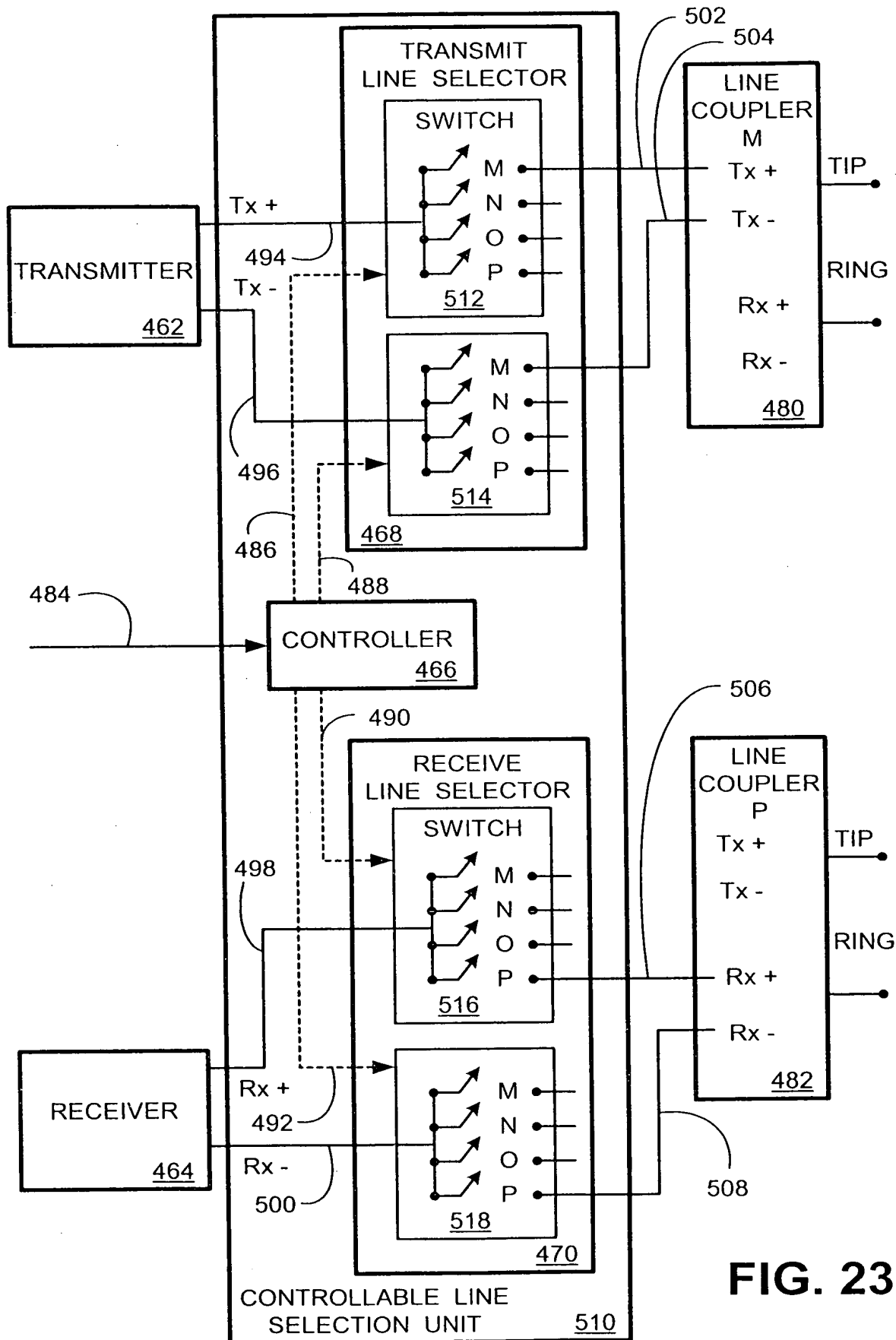


FIG. 23

09/22/2000 12:27:00